

ABSTRACT OF DISCLOSURE

The present disclosure relates to methods of DNA amplification with a first primer that has a random sequence of nucleotides at its 3' end and a generic sequence 5' of the random nucleotides, as well as a second primer with the generic sequence of the first primer. The disclosure further relates to a method of precipitating DNA on a solid medium to improve DNA amplification. In a preferred embodiment, the presently disclosed methods are used for high-throughput genotyping of DNA samples, such as bloodstains or trace amounts of DNA.